



FORM PTO-1449 (Modified)  
U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use several sheets if necessary)

(37 CFR 1.98(b))

Atty Docket No.: 555255012125

Application No.: 09/545,962

Applicant: Major et al.

Filed: April 10, 2000

Group:

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Group 2100

**U.S. PATENT DOCUMENTS**

Exam. Init.	Patent Number								Issue Date	Patentee	Class	Subclass	Filing Date	
BE	5	0	8	6	5	0	2	02/04/1992	Malcolm					
	5	5	8	8	0	0	9	12/24/1996	Will					
	5	7	2	9	7	3	5	03/17/1998	Meyering					
	5	8	1	3	0	1	6	09/22/1998	Sumimoto					
	5	8	2	6	0	6	2	10/20/1998	Fake, Jr. et al.					
	5	8	3	8	9	2	6	11/17/1998	Yamagishi					
	5	8	7	8	4	3	4	03/02/1999	Draper et al.					
	6	1	2	5	2	8	1	09/26/2000	Wells et al.					
	6	1	6	7	3	7	9	12/26/2000	Dean et al.					
	6	2	7	2	5	4	5	08/07/2001	Flanagin et al.					

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Exam. Init.	Document Number								Publication Date of the Grant	Country or Patent Office	Class	Subclass	Translation	
													Yes	No
BE	0	0	0	1	5	5	2	05/24/2001	US					
	0	6	1	7	3	7	3	09/28/1994	EP					
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	0	9	3	0	7	6	6	07/21/1999	EP					
	9	8	4	8	5	6	0	10/29/1998	WO					
	9	9	4	5	4	8	4	09/10/1999	WO					

**OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant pages, Place of Publication\*\*\*)**

Examiner

*Bradley Goldner*

Date Considered

1/23/02

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Atty Docket No.: 555255012125

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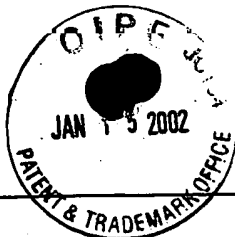
(37 CFR 1.98(b))

**U.S. PATENT DOCUMENTS**

Exam. Init.	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date
BE	5 4 9 3 6 9 2	02/20/1996	Theimer et al.			
	5 5 7 9 4 7 2	11/26/1996	Keyworth, II et al.			
	5 6 2 7 8 2 9	05/06/1997	Gleeson et al.			
	5 7 4 2 9 0 5	04/21/1998	Pepe et al.			
	5 7 5 7 9 0 1	05/26/1998	Hiroshige			
	5 7 6 5 1 7 0	06/09/1998	Morikawa			
	5 7 8 1 9 0 1	07/14/1998*	Kuzma			
	5 7 9 0 7 9 0	08/04/1998	Smith et al.			
	5 9 0 3 7 2 3	05/11/1999	Beck et al.			
	5 9 7 8 8 3 7	11/02/1999	Foladare et al.			
	6 0 8 5 2 3 2	07/04/2000	Kikinis			
	6 0 9 2 1 1 4	07/18/2000	Shaffer et al.			
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	6 2 4 0 0 8 8	05/29/2001	Gayton et al.			
	6 2 5 6 6 6 6	07/03/2001	Singhal			
	6 2 7 5 8 4 8	08/14/2001	Arnold			
W	6 2 7 5 8 5 0	08/14/2001	Beyda et al.			

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Exam. Init.	Document Number	Publication Date of the Grant	Country or Patent Office	Class	Subclass	Translation	
						Yes	No
BE	0 0 2 9 5 3	1	10/11/2001	US			
	0 7 7 7 3 9	4	06/04/1997	EP			
	0 7 8 8 2 8	7	08/06/1997	EP			
	0 7 9 3 3 8	7	09/03/1997	EP			
	0 8 3 8 9 3	4	04/29/1998	EP			
	0 9 2 1 4 5	5	08/15/1997	EP			
	9 7 2 6 7 0	9	07/24/1997	WO			
W	9 8 0 0 7 8	7	01/08/1998	WO			
	9 8 2 1 9 1	1	05/22/1998	WO			



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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant pages, Place of Publication***)	
BE	"BlackBerry Technical White Paper," Research In Motion Ltd., Version 1.0, 1998-1999
f	Newsletter, "Battery Friendly Bulletin," Volume 1, Issue 3, pgs. 1-7 and unnumbered page, 1999
	Article, Comerford, "Handhelds Duke It Out for the Internet," Wireless Internet, pgs. 35-38 and 41, August 2000
	Press Detail, "Extended Systems and Motorola Bring Short-Range Wireless to the Paging E-volution," January 13, 2000 (3 pgs.)
	Press Detail, "3Com Corporation Licenses Bluetooth Technology from Extended Systems," February 22, 2000 (2 pgs.)
	Web site Article, Hawaleshka, "The Web in Your Pocket," Maclean's, May 15, 2000 (3 pgs.)
v	Claxton, "Messaging API's for Voice Networks," Telecommunications, pgs. 116-120, 1998

Examiner <i>Bradley Edelman</i>	Date Considered 1/23/02
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**U.S. PATENT DOCUMENTS**

Exam. Init.	Patent Number								Issue Date	Patentee	Class	Subclass	Filing Date	
BE		5	5	5	9	8	0	0	09/24/1996	Mousseau et al.				

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Exam. Init.	Document Number								Publication Date of the Grant	Country or Patent Office	Class	Subclass	Translation	
													Yes	No
BE		9	9	1	9	9	8	8	04/22/1999	WO				
BE		9	9	4	8	3	1	2	09/23/1999	WO				
BE		9	9	5	0	9	7	4	10/07/1999	WO				

**OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant pages, Place of Publication\*\*\*)**

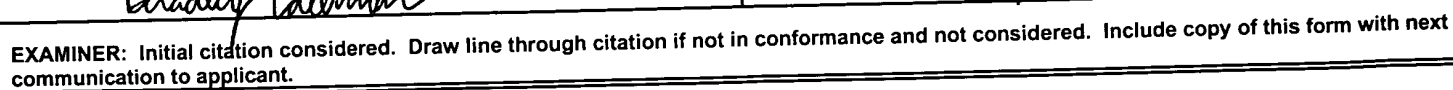

Examiner

*Bradley Goldman*

Date Considered

6/17/02

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	09/545,962
Filing Date	04/10/2000
First Named Inventor	Harry Major
Art Unit	2153
Examiner Name	Edelman
Attorney Docket Number	555255012125

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
BE		US- 5588009	12-24-1996	Will	
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
BE		98/48560	10-29-1998	WO		
		0930766	07-21-1999	EP		

Examiner  
Signature

Bradley Edelman

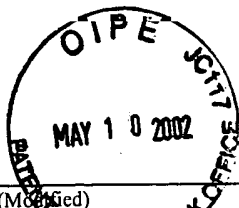
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**U.S. PATENT DOCUMENTS**

Exam. Init.	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date
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	4 6 9 5 8 8 0	09/22/1987	Johnson et al.			
	4 6 9 7 2 8 1	09/29/1987	O'Sullivan			
	4 7 1 3 7 8 0	12/15/1987	Schultz et al.			
	4 8 3 7 7 9 8	06/06/1989	Cohen et al.			
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	4 9 2 8 0 9 6	05/22/1990	Leonardo et al.			
	4 9 5 1 0 4 4	08/21/1990	Nelson et al.			
	4 9 8 0 9 0 7	12/25/1990	Raith et al.			
	5 0 0 8 9 2 6	04/16/1991	Misholi			
	5 0 4 3 7 2 1	08/27/1991	May			
	5 1 2 5 0 2 1	06/23/1992	Lebowitz			
	5 1 2 7 0 4 1	06/30/1992	O'Sullivan			
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	5 1 8 1 2 0 0	01/19/1993	Harrison			
	5 2 9 9 2 5 5	03/29/1994	Iwaki et al.			
	5 3 1 5 6 3 5	05/24/1994	Kane et al.			
	5 3 3 3 1 5 2	07/26/1994	Wilber			
	5 3 3 3 2 6 6	07/26/1994	Boaz et al.			
	5 4 0 6 5 5 7	04/11/1995	Baudoin			

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						Yes No

**OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant pages, Place of Publication\*\*\*)**

BE	Gifford, David K., et al., "The Application of Digital Broadcast Communication to Large Scale Information Systems." IEEE Journal on Selected Areas in Communications, vol. SAC-3, no. 3, pps. 457-467 (May 1985)
BE	Gifford, David K., et al., "An Architecture for Large Scale Information Systems," ACM, pps. 161-170 (1985)

AA

Date

Examiner

*Bradley Gideman*

Date Considered

*6/17/02*